VII. *The Effects of the* Lixivium Saponis, *taken inwardly by a Man aged* 75 *Years, who had the Stone, and in whoſe Bladder, after his Deceaſe, were found Two hundred and fourteen Stones: From* William Cheſelden, *Eſquire.*

Read Jan. 13. 1745-6. MAY 21. 1739. *Laurence Welch,* aged 75, born in *Denmark,* but at that time a Penſioner in his Majeſty's Royal Hoſpital at *Chelſea,* after having had Symptoms of the Stone for eight Years, but never known to void any in all that time, began to take ten Drops of *Lixiv. Sapon.* in half a Pint of Water, three times a Day; and on the 23d in the Evening voided ſeveral ſmall Scales of Stone, with little or no Pain.

On the 24th the Doſe was increaſed to fifteen Drops; but, making him very ſick, was reduced on the 25th to ten. He complained of great Pain in his Back this Day, and at Night paſs'd a whole Stone, the Size of an Orange-kernel, and ſeveral little Bits.

On the 26th he complain'd of great Soreneſs in the *Urethra* when he made Water; for which a little Oil was injected, and he took eight Ounces of a Solution of Gum-Arabic inwardly, omitting this Day the *Lixivium.*

Being very eaſy on the 27th, he took the *Lixivium* as before: His Urine was thick and plentiful, but had no Gravel or Sand in it.

On the 28th he took the *Lixivium*, and about four in the Afternoon voided ſeveral Bits of ſmall Stone, of different Make and Texture, ſome as large as Tares; which making the *Urethra* very ſore, on the 29th he omitted the *Lixivium*, and took a Solution of the Gum, and had the Oil injected as before. Being ſearch'd this Afternoon, we perceived a great Quantity of Stone in his Bladder.

On the 30th he took the *Lixivium* again, was very ſick, but eaſy.

The 31ſt, taking the *Lixivium* after great Pain in his Back, Belly, and *Penis*, he paſs'd a large Piece of Stone, with ſeveral ſmaller Bits.

June 1. he took nothing, was very eaſy, and made a great Quantity of thick turbid Urine.

He took the *Lixivium* again the next Day, was very eaſy, and continued ſo all the 3d; but on the 4th was in great Pain all Day and Night.

On the 5th, the Medicine having ſat well on his Stomach theſe three Days, I ventur'd to give him fifteen Drops of the *Lixivium*; and, after having great Pain in his Loins and *Penis*, at Night he voided ſeveral large Bits.

Early in the Morning, after very great Pain, on the 6th, he voided three large Bits of Stone, and in the Afternoon ſeveral more Pieces came away; one of which was the largeſt yet voided. He took the *Solut. Gum. Arab.* this Day, and no *Lixivium*; and at Night, being faint and fatigued with Pain and Want of Reſt, he had an Opiate and cordial Julap.

On the 7th he likewiſe took no *Lixivium*, having great Pain and Sickneſs at his Stomach. His Urine To-day appeared a little bloody, and had a tough

tough *Mucus* in it, which ſunk to the Bottom of the Pot, and was very fetid. In the Afternoon a large Piece of Stone ſtopt at the Extremity of the *Penis*; which, after endeavouring for two Hours to preſs out with his Fingers in vain, was extracted, by enlarging the Orifice. This Stone weigh'd but nine Grains and a half, tho' near as large as a Die; and two which he voided before, near as big, and of a triangular Form, weigh'd, one, eight Grains, the other, ſeven and three Quarters. This Day he took the *Solut. Gum. Arab.* and at Night had an Opiate and cordial Julap, to take a little of now and then.

On the 8th he took nothing; and tho' he had a great deal of Pain, and was very weak, had a better Appetite than any Day ſince he began the Courſe.

He complain'd of Pain, in the Morning on the 9th; ſo took no Medicine; was very eaſy the reſt of the Day, and paſs'd ſome very ſmall Scales.

On the 10th he took the *Lixivium*, and was pretty well. The 11th had great Pain, and was very ſick; and alſo on the 12th: Therefore he omitted the *Lixivium* on the 13th; and, being very faint and low, had a cordial Julep.

On the 14th he took the *Lixivium*, and was very eaſy every Day till the 20th, when he complain'd his Water made him ſmart; and alſo the 21ſt.

The 22d he was very full of Pain, and ſick; therefore on the 23d he took only the *Solut. Gum. Arab.* was eaſy, and had a great deal of *Mucus* come away with ſeveral ſmall ſcaly Bits of Stone in his Urine; and alſo on the 24th and 25th.

He complain'd of great Pain in the *Glans Penis* on the 26th; and his Belly ſwell'd, and pitted juſt above

above the *Os Pubis*; and he voided ſome ſmall Bits in a great Quantity of *Mucus*.

On the 27th a few little Bits were voided, and he had no Pain all Day.

The 28th he had great Pain, and made very little Water; but on the 29th made a great deal of Water. His Belly was ſwell'd, and he complain'd of great Pain in his Loins. —— He voided ſome ſmall Bits of Stone on the 30th, which was the laſt Day he took the *Lixivium*.

The 1ſt of *July* he took the *Solut. Gum. Arab.* and was in great Pain.

On the 2d, being very faint, and wanting Reſt, he had a cordial Julep and quieting Draught; and the 3d and 4th; which Day he complain'd of great Pain in his Limbs; and on the 5th had ſeveral looſe Stools; which however ſtopt on the next Day.

He continued languiſhing, and in extreme Pain all over his Body, even his Fingers and Toes, from this Day to the 24th of *July*, not being able to bear being touch'd in any Part of his Body or Limbs, ſome Days before his Death, which was on that Day, being 64 Days ſince the Commencement of this Courſe: In which Time he took 81 Doſes of the *Lixivium*, being one Day with another (till he left off intirely, which was 24 Days before he died) about 20 Drops a Day.

During the Courſe, his Water was generally thick and muddy; tho' when in great Pain, ſometimes clear and high colour'd. In about three Weeks after he began, there was a great deal of that tough fetid *Mucus* in his Urine, which continued till he left off taking the *Lixivium*, and then decreaſed conſiderably,

till

till a Fortnight before his Death, when it intirely diſappear'd, and his Urine had no Smell or Taſte, and came away involuntarily.

On ſtraining and filtrating the Urine, I often found little ſcaly Bits, very ſmall, which, when dry rubb'd, became an impalpable Powder. After he left off the Medicine, I could never find this in the Urine, tho' I ſearch'd very carefully.

His Diet the whole Time was chiefly Spoon-meat; now and-then a little Meat, but very ſeldom; and he had but little Appetite when he began, and was very weak.

On opening the Body I found his Kidneys very ſound, and neither Stone nor Gravel in them: But in his Bladder there were two Hundred and fourteen Stones; the two biggeſt about the Size of Nutmegs, the others gradually leſs, to the Bigneſs of a Pea, and ſmaller, but each whole, not Pieces. They were of a ſoft chalky Subſtance and Colour, and weigh'd all together ſix Ounces *Averdup.* two Scruples and four Grains; beſides which there were ſeveral ſmall Scales, ſuch as I found in his Urine. The other *Viſcera* had nothing remarkable. The Quantity of ſmall chalky and ſcaly Bits and Powder that I could ſave out of the Urine, was about as much in 24 Hours as would well cover a Shilling; and perhaps there might be as much more loſt in his Urine, when at Stool, and on the Sides of the Pot and Urinal.